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## HYDROLOGICAL DATA

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GROUND-WATER DATA FAIRBANKS AREA

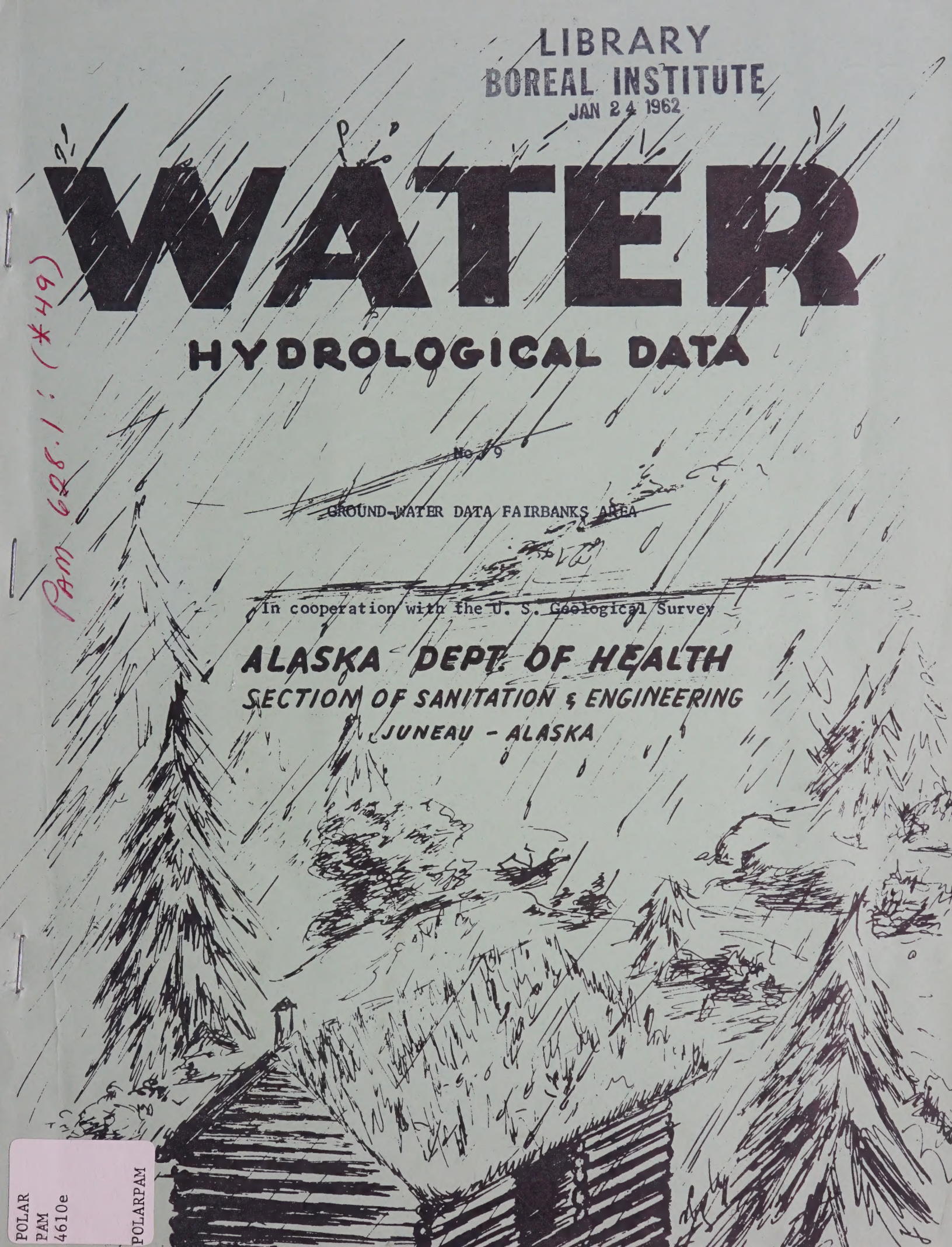
In cooperation with the U. S. Geological Survey

**ALASKA DEPT. OF HEALTH**  
**SECTION OF SANITATION & ENGINEERING**  
**JUNEAU - ALASKA**

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## PREFACE

### Ground-water data for Fairbanks area, Alaska

A compilation of records of about 450 wells in the Fairbanks area is presented herein. The data were collected by D. J. Cedarstrom and Troy L. Pewe<sup>1</sup> during the first phases of an investigation by the United States Geological Survey of the premafrost, terrain, and water resources of the Fairbanks area. The enclosed map of the area, showing well locations, was prepared by the Regional Sanitary Engineer, Sanitation and Engineering, Alaska Department of Health and Welfare. The data were released to the Survey's open file in 1948, but are reproduced in the Alaska Department of Health and Welfare Hydrological Data Series to insure preservation.

Where known, the data include for each well the names of the owner and driller; the depth of the well; the depth to the top and bottom of permafrost; and the reported quality of water. The well records and location may be very useful for future subsurface investigations or construction.

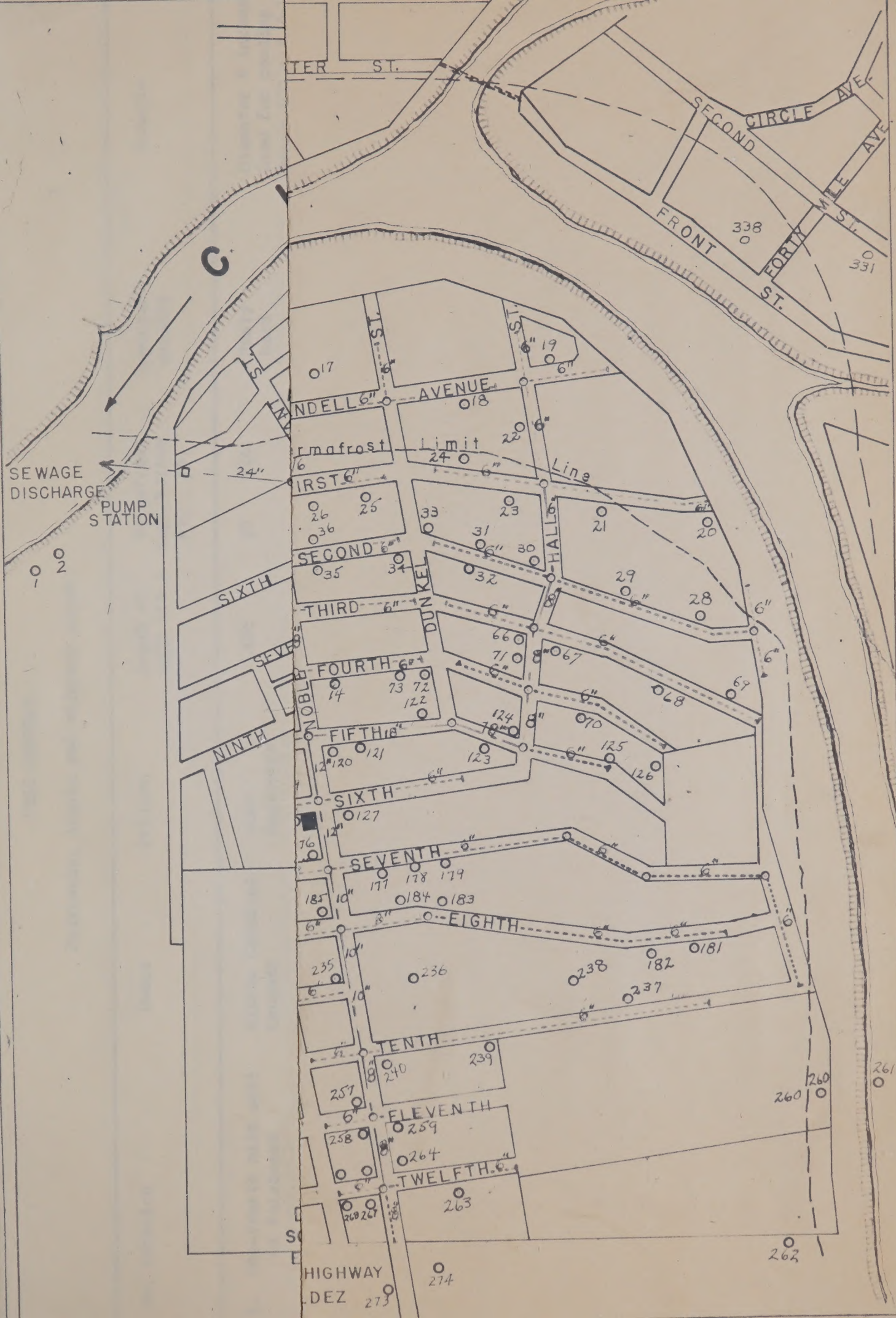
The well location map was based on the Fairbanks street names as of 1948. Since that time, many of the street names and the numbering system have changed. Hence, the reader should not refer to the address of a particular well, but to the well number when locating a well on the map.


The Geological Survey has recompiled the well data in the Fairbanks area for its final phase of a ground-water study. Data through 1954 is to be presented in a Water-Supply Paper now in preparation. Pertinent portions of the enclosed well data will be presented in the forthcoming report.

Some of the enclosed well data, and additional well logs, have been published in a report (Pewe<sup>1</sup>, Troy L., 1958, Geology of the Fairbanks (D-2) quadrangle, Alaska: U. S. Geological Survey GQ 110) describing the geology and subsurface conditions in the area.









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No. Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft. ft.	Reported quality	Remarks
1. One-fourth mile west of Fairbanks	Alaska Chemical Company	Army Engineers	126	27 116	Rusty hard	Diameter 6 inches Used for cooling Pumps 100 gal./min
2. One-fourth mile west of Fairbanks	J. W. Smith	Owner	28		Slight iron, soft	
3. 1317 First Ave.	J. T. Hutchison	Owner	56		Good	Water level 12 feet below surface-annual range about 1 foot
4. 1319 First Ave.	Frank Wilman	O. Fisher	35		Good	
5. 1217 First Ave.	T. L. Torgerson	Owner	25		Good	Water softer when river is high
6. 1123 First Ave.	Lt. Archbold		25		Good	
7. 1109 First Ave.	H. K. Carlisle		85	None(?)	Rusty	Became rusty after flood of 1937
8. 1107 First Ave.	Comm. Patterson		28		Rusty	
9. 1103 First Ave.	M. Burglin		80 /	None(?)		Well has never frozen
10. 1011 First Ave.	S. McQuarry		27		Rusty	
11. 911 First Ave.	H. Weir	O. Stevens	27		Rusty, hard	
12. Cowles St. and First Ave.	City Library	O. Stevens	65	15 55		





## Fairbanks, Alaska and adjacent areas

No. Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft. ft.	Reported quality	Remarks
13. 801 First Ave.	Palfry Sheet Metal Works	Owner	20		Hard	
14. Blanchfield St. And First Ave.	Fairview Hotel	O. Fisher	140		Excellent	Good water available also at 72 feet
15. First Ave. near Lacy St.	Peerless Bakery	O. Fisher	140	Present		Well driven in old deep dug well
16. 328 First Ave.	Mike Mintti		40		Slight iron, hard	
17. Wendell Ave. near Dunkel St.	Swimming Pool	M. Erceg	25		Slight iron	Diameter 3 in. Pumps 103 gal/min. max. of 150,000 gal. per day, water treated and chlorinated
18. 217 Wendell Ave.	C. Cook		54		Rusty	
19. 120 Wendell Ave.	J. Korbo	Owner	48		Slight iron and hardness	
20a. 197 First Ave.	Alaska Beverage Co.	M. Erceg	92	(?) (?)	Rusty, hard	Water treated before use in soft drink establishment
20b. 197 First Ave.	Alaska Beverage Co.	M. Erceg	102	(?) (?)		
21. 117 First Ave.	Phillips & Mapleton	O. Stevens	60	20 55		





## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top ft. bottom ft.	Reported quality	Remarks
22	94 Hall Street	W. Knapp	Owner	45		Good	
23	207 First Avenue	M. C. Smith		28		Rusty, hard	
24	212 First Avenue	T. H. Gibson		37		Hard, slt. iron	
25	311 First Avenue	Kupper		65	10 60	Good	
26	321 First Avenue	A. H. Bahlke		96	10 25	Hard, slt. iron	
27	?						
28	110 Second Avenue	Fairbanks Ldry.	M. Erceg	82	32 33		Diameter 3 inches
29	116 Second Avenue	E. F. Heilman		35		Hard	Iron content varies, high in Feb. and March
30	202 Second Avenue	T. Hoover		70+	40 70	Rusty, soft	
31	224 Second Avenue	F. Link		45	18 32	Rusty, hard	
32	221 Second Avenue	J. Schultz		48	18 28 34 39		
33	220 Second Avenue	Alec Husac	O. Fisher	43	15 35	Hardness variable; no rust	
34	301 Second Avenue	F. Link		65		Hard, slt. iron	





No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft.	Reported quality	Remarks
35	329 Second Avenue	U-Drive-It Garage	O. Stevens	52	20 50		
36	330 Second Avenue	E. Ricks					Abandoned; froze regularly
37	23 Noble Street	Greiman Bldg.		42	8	Slight rust, hard	Diameter 2 inches pumps 6½ gal/min.
38	Turner St. & Second Avenue	Northern Commercial Co.	Owner	47	47+	Poor	Tunnel extending out under Chena River. Temp. 47°F 8-18-47. Water used for boiler feed and condenser; treated before use.
39	Turner Street And Second Ave.	Northern Commercial Co.	Owner	90	90	Rusty, hard	Supplies part of town. Yields 700 gal/min. with 1½ feet of draw-down. Quality varies.
40	815 Second Avenue	R. W. Clark		28		Hard	Used to freeze.
41	907 Second Avenue	E. Van Raes	T. Collins	68	22 60	Good	Freezes regularly.
42	1021 Second Avenue	R. Hubbard	G. Fisher	50	16 47	Hard, no iron, Fair	
43	1119 Second Avenue	Williams		20			
44	Second Avenue	Torgerson Greenhouse		22		Rusty, hard	Irrigates tomatoes.
45	Second Ave. betw. State and Cleary sts.						





## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top (ft)	Permafrost bottom (ft)	Reported quality	Remarks
46	Lincoln Street and Second Ave.	W. Tufford		24			Fair	
47	1506 Third Ave.	A. Wehner	Owner	76			Fair	
48	1504 Third Ave.	C. Wehner	Owner	25			Poor	
49	1502 Third Ave.	A. Wehner	Owner	93	7	37	Fair	
50	1200 Third Ave.	A. Norlin	Owner	42	7	17	Hard Rusty	Freezes. Quality was excellent until 1937 flood
51	1116 Third Ave	Ross		22			Fair	
52a	1111 Third Ave.	E. Davis		85+	10	75		
52b	208 Bonnifield St.	E. Johnson		60	30	55	Hard, slight iron	
53	1019 Third Ave.	J. Crowder		25			Excellent	
54	1020 Third Ave.	Joe Hubbard		20			Hard, rusty	
55	1010 Third Ave.	Betty Jane	O. Stevens	28	28		Poor	
56	911 Third Ave.	B. Lawrence					Excellent	Well freezes
57	302 Cowles St.	F. P. DeWree		85			Hard, rusty	Has never frozen
58	301 Cowles St.	Percy Hubbard		85			Hard, slight iron	Froze once
59	807 Third Ave.	C.D. O'Flannigan		18			Good	





## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top ft. bottom ft.	Reported quality	Remarks
60	814 Third Ave.	Mr. Landstrom		100		Hard, rusty	Never freezes.
61	207 Wickersham St.	T. L. Lynn		99	36 76	Hard, rusty	Well used to freeze.
62	707 Third Ave.	E. Calahan		25		Very hard	
64	519 Third Ave.	R. Bloom	Owner	86	6 40	Soft	
65	Lacey St. and Third Ave.	Lacy St. Hotel	O. Stevens	21		Fair	Diameter 2 inches. Yield 12 gallons a minute.
66	301 Third Ave.	D. C. Tucker		87	40 80	Hard, slight iron	
67	Hall St. and Third Ave.	Pioneer Well		22		Excellent	Sold as bottled water. Dug.
68	129 Third Ave.	J. Hurley	O. Fisher	55			No permafrost.
69	110 Third Ave.	H. Reed	O. Stevens	25	14 18	Good	
70	Fourth Ave.	Mr. Muller	do.	40	18 35		
71	Hall St. and Fourth Ave.	Pepsi-Cola Co.	do.	18		Excellent	
72	303 Fourth Ave.	C. Preston		53		Rusty	
74	325 Fourth Ave.	F. Bush	O. Fisher	63	30 35	Slight iron, hard	





## Fairbanks, Alaska and adjacent areas

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No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top ft. bottom ft.	Reported quality	Remarks
75	401 Fourth Ave.	D. Gorden		60		Poor	Quality formerly better
76	414 Fourth Ave.	F. McGarvey		118		Excellent	Quality poor at 35 feet.
77	526 Fourth Ave.	Miss June		62	22 40		
78	533 Fourth Ave.	Vagn Rydeng	Owner	90			Owner reports permafrost is absent.
79	607 Fourth Ave.	Georgia Lee	O. Fisher	60	10 50	Hard, slight iron	Well does not freeze.
80	623 Fourth Ave.	J. M. Jenson	do.	89	12 86		
81	632 Fourth Ave.	Miss June	O. Stevens	84	22 70		Yields 30 gallons a minute to suction pump.
82	650 Fourth Ave.		O. Fisher	70		Good	No permafrost, according to driller.
83	709 Fourth Ave.	Winn Wurtz	O. Stevens	62	25 57	Good	
84	721 Fourth Ave.	D. Lohman		35		Excellent	
85	818 Fourth Ave.	Mrs. Stone		73		Excellent	Not in use; frozen solid.
86	820 Fourth Ave.	Mrs. Morgan	O. Fisher	71	42 68	Excellent	
87	402 Cowles St.	J. E. Barrack	E. Kehoughl	99		Good	Does not freeze.
88	925 Fourth Ave.	C. N. Lawson	Owner	40	20 21	Slight iron, hard	
89	1008 Fourth Ave.	Rev. Glover	Owner	35	27 30		





## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth		Permafrost top (ft)	Permafrost bottom (ft)	Reported quality	Remarks
				of well (ft)	(ft)				
90	1021 Fourth Ave.	L.J. McCoy		54				Rusty, hard	
91	401 Cleary St.	H.H. Porter		20				Rusty, odor	
92	1220 Fourth Ave.	Mr. Hendricks		50					
93	1407 Fourth Ave.	Steve Stoper	O. Stevens	100	10	50		Good	Water between 50 & 100 feet is poor
94	1500 Fourth Ave.	Pauline Goulet	O. Stevens	70	25	65			Well yield, 40 gpm
95	Fourth Avenue	Pauline Goulet	O. Stevens	84	25	77			Well yield, 30 gpm
96	Sixth Avenue	J. Johnson	O. Stevens	55	20	55		Good	
97	1110 Fifth Ave.	Ted Lafon	Owner	72	2	37		Some iron & hardness	
98	1100 Fifth Ave.	R. Hoops	O. Stevens	85	20	70			
99	502 Bonnifield	T. M. Hunt	V. Scholseth	86	10	49			Used to freeze
100	1200 Sixth Ave.	J. Larson	O. Stevens	86	24	55		Good	Does not freeze
101	1005 Fifth Ave.	Vagn Rydeng	Owner	60				Hard, slight iron	Owner reports no permafrost
102	Kellum St. and Fifth Ave.	P. B. Haggland	O. Fisher	63				Hard, slight iron	No frost



## Fairbanks, Alaska and adjacent areas

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No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft. ft.	Reported quality	Remarks
103	Kellum St. and Fifth Ave.	C. Meyers		44		Good	Water becomes slightly rusty in spring and fall.
104	905 Fifth Ave.	G. Wilson	O. Fisher	87		Rusty	
105	408 Cowles St.	F. Ogburn	O. Stevens	68	18 65	Excellent	
106	819 Fifth Ave.	M. Sather	do.	20		Hard	
107	811 Fifth Ave.	M. Agbaba	Owner	19		Hard	
108	810 Fifth Ave.	C. Burkett	Wilbur & Son	60	20	Rusty	Shallow water very poor.
109	809 Fifth Ave.	A. Grelp	Owner	35		Fair	
110	805 Fifth Ave.	E. Anderson	O. Fisher	70	12 65		
112	501 Barnette St.	Kupper Apts.	O. Stevens	79	22 75		
113	631 Fifth Ave.	Vagn Rydeng	Owner		16 38	Good	Freezes regularly
114	629 Fifth Ave.	M. P. Station	Army Engineers	244	16 35		Water level 14 feet below surface.
115	627 Fifth Ave.	Moorehammer Apartments	O. Fisher	50	10 80		Water at 45 feet became bad and well was drilled deeper.
116	631 Fifth Ave.	Miss Joyce	O. Stevens	84	16 80		
117	517 Seventh Ave.	Mr. Lavery	A. Wehner	72	15 70		Clear ice penetrated between 40 and 62 feet, according to driller.





## Fairbanks, Alaska and adjacent areas

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No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top ft. bottom ft.	Reported quality	Remarks
118	507 Fifth Ave.	T. Radavitch	Owner	61	4 58	Good	
119	409 Fifth Ave.	Mr. Muldoon	O. Stevens	80	15 66	Fair	Yields 30 gallons a minute to suction pump
120	323 Fifth Ave.	E.H. Stroecker	O. Fisher	60	20 55	Slight iron, hard	
121	321 Fifth Ave.	Mr. Fulton		70			Driller reports no permafrost.
122	308 Fifth Ave.	A. M. Swarner		94	10 60	Fair	Thin layers of permafrost from 10 to 30 feet, solid permafrost from 30 to 60 feet. Rusty water at 63 feet
123	211 Fifth Ave.	A. Wicken	Owner	83	6 26	Fair	Water level at 14 feet
124	208 Fifth Ave.	Ted Lowe		60	8 20		Well freezes.
125	124 Fifth Ave.	F. L. Daniel	Owner	37		Fair	No permafrost
126	120 Fifth Ave.	Jeff Studdert	Owner	38		Slight iron, soft	No permafrost.
127	326 Sixth Ave.	R. McKanna	O. Fisher	67	11 62		
128	411 Sixth Ave.	J. Erickson	do.	73	7½ 72	Good	Never freezes.
129	410 Sixth Ave.	Mr. Muldoon	O. Stevens	55	9 52	Fair	Yields 50 gallons a minute to suction pump
130	508 Lacey St.	R. Radavitch	Owner	56	4 55	Fair	
131	508 Lacey St.						





## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth		Permafrost top bottom (ft) (ft)	Reported quality	Remarks
				of well (ft)	(ft)			
132	522 Sixth Ave.	C. K. Kelley		20	21		Slight iron, hard	
133	524 Sixth Ave.	Hazel Dube		86	8	80		Freezes regularly
134	619 Sixth Ave.	Mrs. O'Neal		70	15	65		
135	627 Sixth Ave.	G. McKinsey	O. Fisher	85	15	50		Freezes in summer but not in winter
136	630 Sixth Ave.	Vagn Rydeng	Owner	44	6	36	Rusty	Does not freeze
137	631 Sixth Ave.	F. L. Word	O. Stevens	85			Rusty, hard	Froze up to 35 feet in July 1947
138	637 Sixth Ave.	B. Steeger	E. Kehough	86	36	68	Rusty	Water-bearing gravel at 18, 36, and 63 feet. Water at 68 feet has strong, unpleasant odor Froze after long idleness
139	703 Sixth Ave.	R. Slater		60			Rusty	Freezes regularly
140	720 Sixth Ave.	F. Pankratz						
141	801 Sixth Ave.	F. Allison		22			Rusty, hard	
142	810 Sixth Ave.	Mr. Halloway	Owner	17			Good	
143	817½ Sixth Ave.	A. McGowan	C. Wehner	35			Excellent	Dug well. Sold as bottled water
144	830 Sixth Ave.	Dr. Weston		24			Hard	Water level 12 feet below surface



## Fairbanks, Alaska and adjacent areas

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No.	Location	Owner	Driller	Depth of Well (ft)	Permafrost top (ft)	Permafrost bottom (ft)	Reported quality	Remarks
145	914 Sixth Ave.	C. Meyers	C. Meyers	40	10	12	Good	Gravel from 18 to 40 ft.
146	Kellum St. & Sixth Ave.	Manley Carr	O. Fisher	40				No permafrost
147	601 Bonnifield	R. Wright		64	4	24	Good	
148	1200 Sixth Ave.	J. Larsen	O. Stevens	86	24	55	Good	Does not freeze
149	---							
150	1306 Seventh Ave.	J. McDonald		36			Poor	
151	1305 Seventh Ave.			91	27	87		
152	1024 Seventh Ave.	S. Peterson	Owner	36	3	36	Fair	
153	1010 Seventh Ave.	Ralph Strom	O. Stevens	84				No Permafrost, according to driller
154	910 Seventh Ave.	Adolph Stock		89	40		Good	
155	907 Seventh Ave.	S. Stenberg	Owner	15			Hard	
156	Cowles St. and Seventh Ave.	Mr. Patton	O. Stevens	61	18	60		
157	823 Sixth Ave.	D. Springbett		20+			Rusty, very hard	
158	Arctic Village	Federal Housing Authority		62				Water level at 14 ft. Dia. 6", 40 gpm, -4' drawdown. Chlorinated
159	725 Seventh Ave.	O. Furseth	O. Stevens	74	9	70		





## Fairbanks, Alaska and adjacent areas

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No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft. ft.	Reported quality	Remarks
160	721 Seventh Ave.	S. Bulavaski	Owner	42	14 16	Good	Permafrost present in three thin layers.
161	703 Seventh Ave.	S. F. Gordon	M. Erceg	70	12 66	Rusty, hard	Freezes often.
162	651 Seventh Ave.	P. Miscovitch	O. Stevens	96	35 80		Never froze.
163	633 Seventh Ave.	J. Raats	Owner	114	40 85	Good	Stuck about 100 feet, clean quartz sand below. Water at 85 feet has bad odor.
165	607 Seventh Ave.	M. Driscoll	E. Kehough	65	15 65		
168	522 Seventh Ave.	Max Love	O. Stevens	75	25 70		
169	523 Seventh Ave.	Mr. Mattheson	do.	121	22 108		
170	514 Seventh Ave.	R. G. Lund	O. Fisher	98	12 92	Good	
171	515 Seventh Ave.	T. Nerlin	Ivan Thomas	204	14 100		
172	512 Seventh Ave.	Prof. Shields		98	12 92	Fair	
173	509 Seventh Ave.	Seventh Day Adventists	O. Fisher	112	12 105		
174	505 Seventh Ave.	E. R. Farrell	do.	110		Excellent	Freezes regularly.
175	608 Lacey St.	L. H. Smith		128			Freezes up to 12 ft below surface.
176	404 Seventh Ave.	J. R. Winfree	O. Stevens	96	32 64	Fair	
177	309 Seventh Ave.	Wlsie McDowell	do.	85	13 80	Excellent	Yields 30 gallons a minute to suction pump.





No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft. ft.	Reported quality	Remarks
178	311 Seventh Ave.	W. Arola	U. Fisher	100	12 80	Good	
179	303 Seventh Ave.	W. Acres		96		Fair	
181	106 Eighth Ave.	Mr. LaCross	do.	50	15 30	Excellent	
182	119 Eighth Ave.	R. McKanna	O. Stevens	31			
183	Eighth Ave., near Noble St.		do.	107	11 102		
184	300 Eighth Ave.	Mr. Foster	do.	91	13 68		
186	503 Eighth Ave.	Chuck West		138	26 96		
187	513 Eighth Ave.	R. Hoops	do.	150	26 145		
188	517 Eighth Ave.	Judge Pratt	do.	163	20 150		
189	521 Eighth Ave.	Mr. Heath	do.	144	15 140		
191	Turner St. and Eighth Ave.	School	do.	156	150		
192	626 Eighth Ave.	W. Eckert		27	27	Rusty, hard	
193	635 Eighth Ave.	L. H. Smith	do.	150	22 145	Rusty	
194	646 Eighth Ave.	R. Bloom	do.	94	23 90	Hard	Freezes frequently in summer, less often in winter.
195	Barnette St. and Eighth Ave.	Mr. Johnson	do.	85	25 80		
196	714 Eighth Ave.	T. Leighton	do.	80	14 76		



No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top (ft)	Permafrost bottom (ft)	Reported quality	Remarks
197	713 Eighth Ave.	M. Jackson		80	21	76	Rusty	
198	718 Eighth Ave.	J. Cooper	O. Stevens	75	6	71	Fair	
199	815 Eighth Ave.	A. Simpson	O. Stevens	56	18	54	Good	Well freezes
200	828 Eighth Ave.	E. M. Jones		30			Hard, slight iron	
201	829 Eighth Ave.	Noel Wien	O. Stevens	111			Good	No permafrost present
202	833 Eighth Ave.	F. S. Philleo		19			Excellent	Dug well
203	Cowles St. nr Eighth Ave.	Crystal well		35			Excellent	Dug well-sold as bottled water
204	905 Eighth Ave.	E. Clausen		24			No iron	Dug well
205	913 Eighth Ave.	J. Sullivan		25			some hardness Hard	Supplies 3 homes, no perma- frost
206	921 Eighth Ave.	B. Carr		60				No permafrost
207	1000 Eighth Av.	A. Conradt	O. Fisher	60				No permafrost
208	1100 Eighth Av.	P. Greiman	Owner	27			Rusty, hard	
210a	Ninth Ave. west of Smythe St.	Denali Apts.	O. Fisher & O. Stevens	112	10	110	Excellent	Abandoned
210b	"	"	"	118	10	110	"	"
210c	"	"	"	103				15 gpm ~ 6" diameter





No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top (ft)	Permafrost bottom (ft)	Reported quality	Remarks
211	1010 W. 9th Av.	Bockner	O. Stevens	56	25	40		50 gpm to suction pump
212	902 Kellum St.	S. O. White	O. Stevens	110	55	70	Good	Well has frozen
213	901 Kellum St.	Col. Fooks		54			Rusty, hard	
214	909 W. 9th Av.	H. Simpson		25			Rusty, hard	
215	829 W. 9th Av.	W. McConn		40			Poor	
216	825 W. 9th Av.	I. L. Blood	Ivan Thomas	134			Good	No permafrost
217	818 E. 9th Av.	L. J. Standberg	Owner	50			Rusty, hard	No permafrost
218	815 E. 9th Av.	N. Benson	O. Stevens	108	12	90		
219	802 E. 9th Av.	W. Tilman	O. Stevens	108	9	75	Fair	"Black water" from zone containing logs at 90'
220	800 E. 9th Av.	J. Siebenthaler	O. Stevens	112	10	95		
221	724 E. 9th Av.	M. Goronoff	O. Stevens	84	8	80		
222	W. 9th Av.	M. Goronoff	O. Stevens	92	16	90		
223	E. 9th Av.	Leo Solburg	O. Stevens	132	16	130		
224	711 E. 9th Av.	C.J. Strandberg	Ø. Fisher	151	20	145	Fair	Supplies 5 homes Never freezes
226	659 9th Av.	Clark Hunt	O. Stevens	156	7	150		
227	657 9th Av.	P. Stryken	O. Stevens	156	7	150	Good	
228	634 9th Av.	Alvin Rank	Ivan Thomas	175	33	165	Good	Water soft and rusty at first-changed to clear and



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top (ft)	Permafrost bottom (ft)	Reported quality	Remarks
229	629 9th Av.	Allan McLeod	Owner	20			Hard, slight iron	
230	611 9th Av.	H. P. Karstens	Owner	42	26	28	Hard, slight iron	Quality of water varies
231	Cushman near 9th Av.	J. M. Jensen	O. Fisher	151	12	149		Freezes regularly
232	519 9th Av.	O. Frevel	Owner	80		80		Shaft dug in permafrost, dry
234	507 9th Av.	C.L. Lindberg	Ivan Thomas	85	5	78	Excellent	Freezes regularly
235	404 9th Av.	J. Zupper	O. Stevens	151	9	145	Hard, good	Freezes regularly
236	811 Noble St.	Birchtree Gardens	E. Kehough	135	12	130		Water level varies 12 to 14 ft. below surface
237	118 10th Av.	Mr. Works	O. Stevens	110	38	98		
238	120 10th Av.	Dawson Cooper	O. Stevens	113	40	100		
239	303 10th Av.	L. V. Martin	Owner	22	23		Rusty	Permafrost also present at 6 ft. nearby
240	1001 Noble St.	H. Criger	O. Stevens	124	12	120		Permafrost present at 6 ft. depth nearby
242	1000 Lacey St.	Hans Junes	O. Stevens	183	16	150		
243	521 10th Av.	Art Loftus	Owner	160	4	155	Rusty	Took water for 3 hours during driving. Supplies nine families.





## WELL REPORTS

Fairbanks, Alaska and adjacent areas

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No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top (ft)	Permafrost bottom (ft)	Reported quality	Remarks
244	615 Tenth Av.	Paul Solka	Buteau	40	12	18	Rusty, hard	
245	615 Tenth Av.	Larry Reed	O. Stevens	199	20	150	Poor	Freezes frequently
246	Barnette St. & Tenth Av.	Lt. Steven	O. Stevens	157	7	153		
247	708 Tenth Av.	Joe Jansen	O. Stevens	151	35	145		
248	714 Tenth Av.	C.J. Strandberg	O. Fisher	139	25	125	Good	Used to freeze.
249	716 Tenth Av.	R. Kohler	O. Stevens				Rusty	
250	803 E. Ninth Av.	Star Airlines	O. Stevens	170	5	168		
251	Weeks Field	P.A.A. Hangars		180	30	170		Abandoned
252	Weeks Field	P.A.A. Hangars		42			Poor	Pumps 8½ gpm
253	CAA Station		O. Stevens	141	9	140		
255	525 Eleventh Av.	G.D. Hatcher	O. Stevens	160	19	150	Hard, slight iron	Seldom freezes
256	Lacey St. and Eleventh Av.	Dr. H. G. Hughes	"	156	11	155	Hard	
257	1000 Noble St.	Roy Douglas	O. Stevens	165	9	162	Excellent	
258	1106 Noble St.	Joe Boyle	O. Stevens	161	10	158		Yields 40 gpm to suction pump
259	1101 Noble St.	Bob Mize	O. Stevens	144	7	143		



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
260	Tenth Av., nr Chena River	Juneau Spruce Corporation	O. Fisher	40		Rusty	
261	Chena River nr Tenth Av.	Juneau Spruce Corporation		15			Diameter 4", furnishes 15 gpm for boiler feed
262	Near Radio Sta.	ACS Garage	Army Engrs.	119	21 104		
263	Eleventh Av. & Noble St.	Cheechako Hotel	FHA	168			Diameter 6", 30 gpm with 3" drawdown
264	1109 Noble St.	K. Byston	O. Stevens	163	6 157	Excellent	
265	1108 Noble St.	E. Pitts	O. Stevens	160	8 155		
266	1109 Cushman St.	M.H. Wells	O. Stevens	176	20 170	Rusty, hard	
267	517 Twelfth Av.	A.P. Anderson		18		Fair	
268	Lacey St. and Twelfth Av.	Chris Sather	O. Stevens	183	20 154	Excellent	Brown water at 154 ft.
269	523 Twelfth Av.	E. Rogge	O. Stevens	179	29 155	Fair	
270	625 Twelfth Av.	L. Nicols	Owner	25	12 13	Rusty, hard	
271	S. Barnette & Thirteenth Av.	M. Jones, W. Ashby		30		Hard	
272	712 Thirteenth Av.	A. Ramsell		22		Hard, rusty	
273	1236 Noble St.	T. Xansantres	Owner	16		Hard, rusty	





No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
274	1231 Noble St.	Dr. Sutherland	Ivan Thomas	177	4 177+		Dry, abandoned
275	1401 Cushman St.	G. Crouch		174	15 163	Good	
276	1400 Cushman St.	Cy Grantham		27		Good	Water level 12' below surface
277	14th Av. and S. Barnette St.	Harry Sams		46		Hard	Diameter 4"
278	S. Barnette St.						
279	450 Laurene St.	E. J. Morris	Owner	28		Rusty	
280	15th Av. and Cushman St.	May Batchelder	O. Stevens	18		Fair	
281	777 15th Av.	L. Platt		18		Good	
301	Pennsylvania St.	Fairbanks Exploration Co.	Owner	90	20 45		"Townsite well, 36" diaam- eter, 250 gpm.
302	Penn. St.	Fairbanks Exploration Co.	Owner	40+			30' (?) drawdown, Dug 75' by 60", 800 gpm
303	Penn. St.	Fairbanks Exploration Co.	Owner	106			Abandoned, dia. 16" dia. 2900 gpm with 9.8 drawdown after 32 days
304	Penn. St.	Fairbanks Exploration Co.	Owner	90			2800 gpm



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top (ft)	Permafrost bottom (ft)	Reported quality	Remarks
305	Near Charles St.	Fairbanks Exploration Co.	Owner	90				36" dia., 2800 gpm
306	Church and Minnie Sts.	Fairbanks Exploration Co.	Owner	364				Abandoned. 36" dia. 2800 gpm with 22' draw- down
307	Church and Slater Sts.	Fairbanks Exploration Co.	Owner	90				24" dia., 2400 gpm.
308	Church and Slater Sts.	Fairbanks Exploration Co.	Owner	136	22	26		Abandoned. Yielded 3400 gpm with 5.7 ft. drawdown
310	Charles St.	R. Johnson	O. Stevens	51	12	49		
311	405 Charles St.	L. Loursbury	Owner	45			Excellent	One well in this area penetrated permafrost between 20 and 55 feet
312	314 Slater St.	E. L. Morse		22½			Excellent	Not affected by pumping adjacent well 307
313	Pennsylvania St.	Standard Oil Company	O. Stevens	40				No permafrost
314	Pennsylvania St.	Alaska Road Commission	A. McLeod	95	60	70	Hard	
315	110 Church St.	J. Borders		28			Good	Quality is deteriorating
316	Pennsylvania St.	E. Briggen		27			Excellent	
317	Cushman St.	St. Josephs Hospital	B. Kehoughl	60			Poor	Water treated for laundry use.





## Fairbanks, Alaska and adjacent area

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No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
318	Park St.	Glen Carrington		21		Excellent	
319	Park & Brandt Sts.	West Coast Grocery		19		Excellent	
320	Along Chena River	Pioneer Brewing Company	O. Stevens	108			No permafrost
321	Pioneer Rd.	J. Korba		42		Rusty	
322	Pioneer Rd.	O. Baumeister		90	26 26½	Fair	
323	Along Chena River	Alaska Railroad		23		Rusty, hard	Dug well, 20,000 gpd
324	Along Chena River	Alaska Fire control Sta.	Civilian Con- servation Corp.	21½		Poor	
330	Third St. and Fortymile Av.	T. Jones		75	35 70	Slight iron	
331	Third St and Fortymile Av.	N. Todcroff		18		Hard, slight iron	
332	Fourth St. east of Eagle Av.	Mr. Lambert	O. Fisher	75	11 60	Excellent	Water level 12 ft. below surface
333	Third St. east of Eagle Av.	D. Wilder & O. Stevens	O. Fisher	74	9 73		
334	Pratt Av. and Front St.	J. Stanley	O. Fisher and O. Stevens	70	12 60	Good	Temperature 32½° F

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No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top (ft)	Permafrost bottom (ft)	Reported quality	Remarks
335	Second St and Eagle Av.	H. Aaron	O. Fisher & O. Stevens	56			Good	No permafrost
336	Second St and Eagle Av.	M. Killian		30	18	30	Good	
337	Dawson Av. nr Front St.	B. W. Kelley	Owner	20			Good	
338	Front St. and Fortymile Av.	J. Stahler		35			Rusty	
401	1½ mi. N. of College	Reindeer Farm		182				Dia. 6". Bedrock en- countered at 90'. Depth to water 50', yield 1½gpm
402	Farmers Loop Rd.	J. R. Cox		50				Dug shaft near stream bed. Depth to water 49½'
403	Farmers Loop Rd.	Alec Husac		80				Dug shaft in hillside. Depth to water 80'
404	Farmers Loop Rd.	C. McGrath		83				Dug shaft in hillside. Dry.
405	Farmers Loop Rd.	C. McGrath		80				Dug shaft on lower slope, depth to water 30'
406	Farmers Loop Rd.	Claus Johnson		200	12-	92		Dia. 6", bedrock 200' water level 15 ft. below surface. 1½ gpm yield

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## WELL REPORT

Fairbanks, Alaska and adjacent areas

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No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top (ft)	Permafrost bottom (ft)	Reported quality	Remarks
407	Ester Rd. W. of College	Dept. Agri- culture Experi- mental Farm	J. Leland	104				Schist penetrated at 74 ft. Depth to water 39 ft. Yield small.
408	University Av.	H. Halvorsen	Owner	23			Excellent	Depth to water 18 ft.
410	University Av.	Quonset Huts		175	20	175		Dry
411	Deborah Av.	Muckler		126	2	120	Rusty	
412	Deborah Av.	Jameson		16			Slight Iron	
413	Ester Rd. $\frac{1}{4}$ mi. E. of College	James Ryan		102	2	80		
414	Ester Rd. $\frac{1}{2}$ mi. E. of College	A.C.S.K-1	Army Engrs.	100	15	84		Abandoned
415	Ester Rd. $\frac{1}{2}$ mi. E. of College	A.C.S.K-1	Army Engrs.	90	3	62		Abandoned
416	Ester Rd. $\frac{1}{2}$ mi. E. of College	A.C.S.K-1	Army Engrs.	102	0	102		
417	Ester Rd. $\frac{1}{2}$ mi. E. of College	A.C.S.K-1	Army Engrs.	342				No permafrost reported



## WELL REPORT

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Fairbanks, Alaska, and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top (ft) bottom (ft)	Reported quality	Remarks
418	Ester Rd. $\frac{1}{2}$ mi E. of College	A.C.S.K-1	Army Engrs.	35			Abandoned
419	Ester Rd. and Noyes Slough	H. Morgan		20	21	Poor	
420	Ester Rd. and Noyes Slough	P.J. McDonald	O. Fisher	144	16 144+		Bedrock reported at 129'
421a	Ester Rd. 1 mi. N. of Fairbanks	Creamers Dairy		18		Hard, slight iron	Dug. Yields 15 gpm. Maximum of 1,500 gpd.
421b	Ester Rd. 1 mi. N. of Fairbanks	Creamers Dairy		84	39 64	Rusty	Abandoned
421c	Ester Rd. 1 mi. N. of Fairbanks	Creamers Dairy		152	38 152	Dry	Abandoned
423	Farmers Loop Road	Old Fox Farm	O. Fisher	126	5 113		Flows. Water discharged out of casing extended 10' above surface.
424	Farmers Loop Road	Army Permafrost Experimental Station	Army Engrs.	112	2 96		Flows 50gpm. Pumped 600 gpm. Diameter 8".





## WELL RECORDS

## Fairbanks, Alaska and adjacent areas

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No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
425	Farmers Loop Road	Army Perma- frost Experi- mental Station	Army Engrs.	241+	2 178		Diameter 6 inches. Still drilling in black muck.
426a	Steease Highway N. of railroad	North Camp	O. Stevens	100	17 97		
426b	Steease Hwy. N. of RR.	North Camp	Army Engrs.	228	18 98½		
427	Steease Hwy. N. of RR	Gordon Branch	O. Stevens	86	14 85		Abandoned. Failed to develop water.
428	Steease Hwy. N. of RR	Farmers Co-op Storage Plant	O. Stevens	100	9 85		
429	Steease Hwy. N. of RR	Magnus Marks	O. Stevens	82	6 78		
430	Steease Hwy. S. of RR	Forbes Baker	O. Stevens	49	7 45		
431	Steease Hwy. S. of RR	Melville	O. Stevens	48	2 45		
432	Steease Hwy. S. of RR	J. Kunkel	O. Stevens	65	13 30		
433	Mile 1, Steese Hwy,	D. Polk		28	12 13		Rusty, Hard
434	Mile 1, Steese Hwy.	C. E. Chase		36	20 21		Hard



## WELL RECORDS

Fairbanks, Alaska and adjacent areas

27

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
435	Mile 1, Steese Hwy.	Ivan Thomas	Owner			Rusty	
436	3/4 Mi. NE of Fairbanks	Bentleys Dairy		65+	?	Fair	Supplies dairy of 60 cows
449	Building 305	Ladd Field	Army Engineers	100			Diameter 6 inches, yield 120 gpm with 21' drawdown
450	Building 350	Ladd Field	Army Engineers	30			Dug, yield 780gpm with 7' drawdown
451	Building 384	Ladd Field	Army Engineers	160			Diameter 8", yield 500 gpm
452	Building 354	Ladd Field	Army Engineers	118			Diameter 4", yield 500 gpm. Water level 12' below surface
453	Zone 200	Ladd Field	Army Engineers	47½			Diameter 4". yield 230 gpm. Water level 10½' below surface
454	Building 285	Ladd Field	Army Engineers		52		Yield 160 gpm with 18' drawdown
455	Building 282	Ladd Field	Army Engineers	88	10	62	Diameter 6", yield 230 gpm with 4' of drawdown

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## Fairbanks, Alaska and adjacent areas

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No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
456	Building 117	Ladd Field	Army Engineers	112			Diameter 24", yield 500 gpm
458	Building 105	Ladd Field	Army Engineers	97			Diameter 18", yield 200 gpm
459	Zone 100	Ladd Field	Army Engineers	80	47		Diameter 6", yield 280 gpm with 12½" of drawdown
460	Building 933	Ladd Field	Army Engineers	87	23		Diameter 6", yield 200 gpm with 17½" drawdown
461	Zone 900	Ladd Field	Army Engineers	44	31		Diameter 6", yield 240 gpm with 13" of drawdown
462	Building 902	Ladd Field	Army Engineers	55			Diameter 6", yield 220 gpm with 6½" of drawdown



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